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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/063,986	05/31/2002	Amit Jain	BEA9-2002-0003-US1	3822
23441	7590	08/24/2005	EXAMINER	
LAW OFFICES OF MICHAEL DRYJA 704 228TH AVENUE NE PMB 694 SAMMAMISH, WA 98074			SALL, EL HADJI MALICK	
			ART UNIT	PAPER NUMBER
			2157	

DATE MAILED: 08/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/063,986

Applicant(s)

JAIN ET AL.

Examiner

El Hadji M. Sall

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 31 May 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 3, 4, 12 and 14-20 is/are rejected.
- 7) ☒ Claim(s) 2, 5-11 and 13 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

1. This action is responsive to the application filed on May 31, 2002. Claims 1-20 are pending. Claims 1-20 represent managing access control within system topologies using canonical access control representations.

2. ***Claim Rejections - 35 USC § 101***

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 20 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Applicant discloses the medium as a "modulated carrier signal".

To overcome this type of 101 rejection the claim need to be amended to include only the physical computer media and not a transmission media or other intangible or non-functional media. For the specification at the bottom, carrier medium and transmission media would be not statutory but storage media would be statutory.

**3. Allowable Subject Matter**

Claims 2, 5-11 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

**4. Claim Rejections - 35 USC § 102**

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000.

Art Unit: 2157

Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

5. Claims 1, 3, 4, 12 and 14-20 are rejected under 35 U.S.C. 102(e) as being unpatentable over Shandony U.S. 6,675,261.

Shandony teaches the invention as claimed including request based caching of data store data.

As to claim 1, 14 and 19, Shandony teaches a method, a system and an article of manufacture comprising:

A computer readable medium (figure 3, item 140)

A plurality of accessibles within a topology accessible via at least one access control method (column 5, lines 51-53, Shandony discloses Web Server 18 provides an end user with access to various resources (i.e. accessibles) via network 16);

A plurality of accessors within the topology, each accessor having a predetermined level of access to each of one or more of the plurality of accessibles via one or more of the at least one access control method; and, a computer-readable medium storing data representing a mathematically canonical representation of access of the plurality of accessors to the plurality of accessibles, the representation including at least one zone, each zone specifying one or more of the plurality of accessors having access to one or more of the plurality of accessibles (column 6, lines 58-60, Shandony discloses Web Gate 28 intercepts requests from users for resources 22 and 24, and authorizes them via Access Server 34),

The canonical representation satisfying a plurality of constraints comprising:

A first constraint specifying that, for each zone, each of the one more accessors of the zone has identical access to each of the one or more accessibles of the zone

Art Unit: 2157

(column 7, lines 64-66, Shandony discloses Group Manager 44 manages groups of users who need identical access privileges to a specific resource or set of resources);

A second constraint specifying that each of the plurality of accessibles belongs to no more than one of the at least one zone (column 5, lines 59-61, Shandony discloses resource 22 is external to Web Server 18 but can be accessed through Web Server 18. Resource 24 is located on Web Server 18); and

A third constraint specifying that the at least one zone encompass largest sets of the plurality of accessors that satisfy the first and the second constraints (figure 1).

As to claim 3, Shandony teaches the method of claim 1, wherein determining the set of accessor-accessible pairs comprises determining each accessor-accessible pair, the accessor of each accessor-accessible pair having the predetermined level of access to the accessible of the accessor-accessible pair within the system topology according to each of one or more access control methods (column 7, lines 20-29, Shandony discloses determination of access privileges).

As to claim 4, Shandony teaches the method of claim 1, further comprising restoring access control of the accessors and accessibles within the system topology from a current configuration of the mathematically canonical set of zones to a target configuration of a second mathematically canonical set of zones (column 19, lines 42-46, Shandony discloses the Master Identity Administrator can configure access controls).

As to claim 12, Shandony teaches the method of claim 1, further comprising comparing a first configuration of the mathematically canonical set of zones to a second configuration of a second mathematically canonical set of zones (figure 67, item 2702).

As to claim 15, Shandony teaches the system of claim 14, further comprising a console by which the access of the plurality of accessors to the plurality of accessibles as represented by the mathematically canonical representation is manageable (figure

Art Unit: 2157

8).

As to claim 16, Shandony teaches the system of claim 15, wherein the console is one of the plurality of accessors (figure 8 (i.e. the user manger is an "accessor").

As to claim 17, Shandony teaches the system of claim 15, wherein the console permits a current configuration of the mathematically canonical representation to be restored to a target configuration of a second mathematically canonical representation (figure 8, item 416 or the configuration tab).

As to claim 18, Shandony teaches the system of claim 14, wherein the topology comprises one of: a storage-area network, and a communications network (figure 2).

As to claim 20, Shandony teaches the article of claim 19, wherein the medium is one of a recordable data storage medium and a modulated carrier signal (figure 2).

## **6. Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to El Hadji M Sall whose telephone number is 571-272-4010. The examiner can normally be reached on 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Art Unit: 2157

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

El Hadji Sall

Patent Examiner

Art Unit: 2157

*Daleward*  
*8/22/05*

*ES*